## Exonuclease Activity (Radioactivity Release)
A 50 µl reaction in NEBuffer SspI containing 1 µg of a mixture of single and double-stranded [³H] E. coli DNA and a minimum of 100 units of SspI incubated for 4 hours at 37°C releases <0.1% of the total radioactivity. **Pass**

## Ligation and Recutting (Terminal Integrity)
After a 10-fold over-digestion of Lambda DNA with SspI, >95% of the DNA fragments can be ligated with T4 DNA ligase in 16 hours at 16°C. Of these ligated fragments, >95% can be recut with SspI. **Pass**

## Non-Specific DNase Activity (16 Hour)
A 50 µl reaction in NEBuffer SspI containing 1 µg of Lambda DNA and a minimum of 15 Units of SspI incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis. **Pass**

## Protein Purity Assay (SDS-PAGE)
SspI is >95% pure as determined by SDS PAGE analysis using Coomassie Blue detection. **Pass**

*The BSA in this product has been granted an EDQM "Certificate of Suitability" from the European Directorate for the Quality of Medicines (# R1-CEP-2003-204-Rev00) and has been granted a USDA Certificate for Export of Bovine Blood Plasma/Serum for Manufacture into Pharmaceutical Products."